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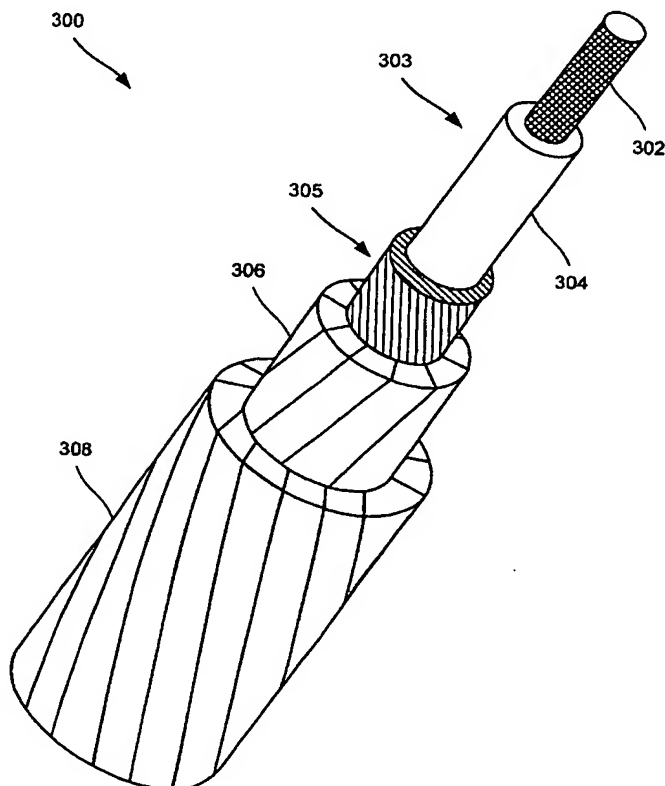
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(54) Title: **ALUMINUM CONDUCTOR COMPOSITE CORE REINFORCED CABLE AND METHOD OF MANUFACTURE**



(57) Abstract: This invention relates to an aluminum conductor composite core reinforced cable (ACCC) and method of manufacture. An ACCC cable (300) has a composite core surrounded by an outer film (305) and at least one layer of aluminum conductor (306). The composite core (303) comprises a plurality of fibers from at least one fiber type in one or more matrix materials. According to the invention, unique processing techniques such as B-Staging and / or film-coating techniques can be used to increase production rates from a few feet per minute to sixty or more feet per minute.

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